



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PATENT COOPERATION TREATY PCT/JP200 PCT PCT/JP200 PCT/JP200 PCT INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Article 36 and Rule 70)						
		(PCT Article 36 and Rule	; 70)			
Applicant's or agent's file reference S-561WO		FOR FURTHER ACTION See Notification of Transmittal of Internal Preliminary Examination Report (Form PCT/IPEA				
International application No. PCT/JP2003/008192		International filing date (day/month/ 27 June 2003 (27.06.2003				
	• •	ational classification and IPC /505, 31/506, A61P 35/02, 43/00				
Applicant		NIPPON SHINYAKU CO., I	TD.			
This rep amender 70.16 an	ort is also accompani d and are the basis for ad Section 607 of the	sheets, including this ed by ANNEXES, i.e., sheets of the d r this report and/or sheets containing administrative Instructions under the tal of sheets.	escription, claims and/or drawings which have cifications made before this Authority (se			
2 771:						
3. This report con I	Basis of the report Priority Non-establishment of Lack of unity of involve Reasoned statement citations and explana Certain documents of	under Article 35(2) with regard to novations supporting such statement	ntive step and industrial applicability velty, inventive step or industrial applicability			
I	Basis of the report Priority Non-establishment of Lack of unity of involve Reasoned statement citations and explana Certain documents of Certain defects in the Certain observations	of opinion with regard to novelty, inve- ention under Article 35(2) with regard to novations supporting such statement sited e international application s on the international application				



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2003/008192

	of the report
1. With	regard to the elements of the international application:*
\boxtimes	the international application as originally filed
	the description:
	pages, as originally filed
	pages, filed with the demand
	pages, filed with the letter of,
	the claims:
	nages
	pages, as originally filed, as amended (together with any statement under Article 19
	pages, as amended (together with any statement under Afficie 19
	pages, filed with the letter of, med with the definant
	the drawings:
<u> </u>	
	, as originally filed
	pages, filed with the demand pages, filed with the letter of
Π,	
Щ,	he sequence listing part of the description:
	pages, as originally filed
	, filed with the demand
	, filed with the letter of
	regard to the language, all the elements marked above were available or furnished to this Authority in the language in which ternational application was filed, unless otherwise indicated under this item. e elements were available or furnished to this Authority in the following language which is:
	the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
· 📙	the language of publication of the international application (under Rule 48.3(b)).
Ш	the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/ or 55.3).
3. With prelin	regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international ninary examination was carried out on the basis of the sequence listing:
	contained in the international application in written form.
Ц	filed together with the international application in computer readable form.
H	furnished subsequently to this Authority in written form.
H	furnished subsequently to this Authority in computer readable form.
	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
	The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
ı. 🔲	The amendments have resulted in the cancellation of:
1	the description, pages
ŀ	the claims, Nos.
j	the drawings, sheets/fig
. 🗆 j	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
Replacin this	rement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to report as "originally filed" and are not appeared to this report sizes that the rest in the response to an invitation under Article 14 are referred to

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International application No.
PCT/JP 03/08192

V. Reasoned statement under Artic citations and explanations supp	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Statement						
Novelty (N)	Claims	1-8	YES			
•	Claims		NO			
Inventive step (IS)	Claims		YES			
	Claims	1-8	NO NO			
Industrial applicability (IA)	Claims	1-8	YES			
	Claims		NO			

2. Citations and explanations

Document 1: WO 02/22597 A

The invention set forth in claims 1-8 does not involve an inventive step in the light of document 1 cited in the international search report. Document 1 discloses N-phenyl-2-pyrimidine-amine derivatives represented by general formula (I), which are useful as anti-cancer agents. The compounds that are set forth in the present application are similar to said derivatives in terms of chemical structure; therefore, they could easily have been conceived of by a person skilled in the art. Furthermore, the compounds that are set forth in the present application cannot be said to exhibit superior characteristics in terms of anti-cancer activity or the like in comparison to the compounds that are specifically disclosed in document 1 on the basis of the disclosures in the description of the present application.

In the written response, the applicant asserts that document 1 "does not make any disclosures pertaining to the results of a test of the bcr-abl inhibiting activity, and only cites the document (Nature Medicine, 2, 56-566, 1996). Therein, said document merely indicates the bcr-abl inhibiting activity of...(omission)...STI571. In addition, document 1 indicates that the compounds disclosed therein

exhibit characteristics wherein the half life in the blood is longer and metabolization is more difficult in comparison to STI571, which is evidence to suggest the patentability of said compounds," and "the description of the present application clearly indicates that the compounds set forth in the present application exhibit superior characteristics in comparison to STI571;" therefore, "the compounds set forth in the present application are thought to be similar to STI571 in terms of pharmacological activity, while being superior to the compounds that are specifically disclosed in document 1."

However, if the compounds disclosed in document 1 exhibit a longer half life in the blood and are more difficult to metabolize in comparison to STI571, then it is thought that these compounds may be superior to STI571 as anti-cancer agents; therefore, the compounds that are disclosed in document 1 cannot be said to merely be similar to STI571 in terms of pharmacological activity on the basis of the disclosures of document 1. Consequently, the assertion by the applicant that the "compounds set forth in the present application are thought to be similar to STI571 in terms of pharmacological activity, while being superior to the compounds that are specifically disclosed in document 1" is not applicable.